BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of work :- Detailed Estimate for Providing Aerial bunch cable and Additional Street Lighting fittings and automatic Timer controler to Major roads by using Released Tubular Poles to Byatrayanapura constituency area in Ward No 5 to 11.

Budget Head .....

Division No..... Estimate No. AEE/EST/No.13/16-17 For Rs. **350000.00**

Sl.No.	SR Page & SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	56/7.6.5	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 25 + 1 X 25 + 1 X 16 SQ.MM	1310	177.00	Per Mtr	231870.00
2	Bes SR	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	1310	10.30	Per Mtr	13493.00
3	12/2.12.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	65	7.50	Each	487.50
4	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	2	4044.00	Nos	8088.00
5	33/5.85	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	35	84.00	Each	2940.00
6	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	6	234.00	Each	1404.00
7	47/6.16.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	4	1936.00	Each	7744.00

8	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	60000	0.33	Sqcm	19800.00
9	46/6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	2	9915.00	Each	19830.00
10	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	20	132.00	Per Mtr	2640.00
11	17/3.10	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	14000	0.22	Sqcm	3080.00
12	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	12	263.00	Per Mtr	3156.00
13	6 32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	2	4200.00	Nos	8400.00
		BESCOM SR 2016-17				0.00
14	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	2	378.00	Nos	756.00
15	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	2	304.00	Nos	608.00
16	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	2	982.00	Nos	1964.00
17	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	2	273.60	Nos	547.20
18	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	1	1200.00	Days	1200.00
19	53.01	Suspension clamp suitable for insulated Messsenger wire of size 25 to 95Sq mm	40	325.00	Nos	13000.00

20	53.19	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger (Exclusive of pole clampand eye hook)	6	131.00	Nos	786.00
21	46.8	Erection of Suspension Clamp - 25 to 95 sqmm insulated messenger with bracket	40	154.00	Nos	6160.00
22	46.9	Erection of Dead End Clamp/ Anchor Clamp - 25 to 95 Sq. mm insulated messenger with bracket	6	154.00	Nos	924.00
23	pwd sr	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cm thick vibrated for all works , in foundation, plinth and sills including cost of all materials,labour,HOM of machinery, curring complete as per sepecifications (P-12 It no.4.11)	0.2	5490.72	Cmt	1098.14
24		Mislenious				24.16
		Total				**350000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 . & BESCOM SR 16-17

T.N. Baddy

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 3.50 Lakhs
Three Lakh Fifty Thousand only
is accorded under P.1517 Upgrading Street Lighting of Bangalore Major Roads
Registered as EE No. Subject
to conditions contained in enclosed memo
No. EE/ELE/YZ/AS/27/2016-17 Dt- 02.03.17

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 3.50 Lakhs
Rupees Three Lakh Fifty Thousand only
Under P.1517 Upgrading Street Lighting of Bangalore Major Roads
Registered as EE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. EE/ELE/YZ/TS/28/16-17
Dt. 03.03.2017 Estimate A/ Sanctioned
EE/ELE/YZ/AS/27/2016-2017
Dated 02.03.2017 Rs. 3.50 lakh

Executive Engineer